Merrychef EC/RD 501-503 Ovens

Recommended Parts List **Recommended Minimum Stock Holding & Service Kits**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit
	105005	M3 CAGE NUT	7	EA	7	21	42		
	11C0303	DOOR FRAME ASSY SUB	1	EA	1	3	6		
34	11M0360	10 WAY LEAD ASSY WITH FERRITE	1	EA	1	3	6	1	1
	2243033	SPACER - PCB SUPPORT	5	EA	5	15	30		
	2571016	THERMAL CUT OUT 125C (MAGNETRON)	2	EA	2	6	12	2	2
	2741021	CERAMIC SHAFT (STIRRER MOTOR)	1	EA	1	3	6		1
1A - 2A	30Z0217	FUSE 1in 10A HRC	2	EA	2	6	12	2	2
1 - 2 - 3	30Z0231	FUSEHOLDER 1in (13A)	3	EA	3	9	18	3	3
24	30Z0283	470R 50W 5% AC (GOLD RESISTOR - MAGNETRON)	2	EA	2	6	12		2
	30Z0470	FUSE 5x20mm 1A A/S	1	EA	1	3	6	1	1
29	30Z0503	SWITCH ON/OFF ROCKER DPST	1	EA	1	3	6	1	1
3A	30Z0957	FUSE 1x1/4in 1A HBC (MAINS)	1	EA	1	3	6	1	1
	30Z1148	MOTOR START CAP 6uF	1	EA	1	3	6		1
7 - 8	30Z1340	FILTER 16A SCREW MOUNT	4	EA	4	12	24	4	4
22	30Z1419	THERMISTOR (OVEN TEMP SENSOR)	1	EA	1	3	6	1	1
	30Z1436	300degC OVERHEAT SAFETY STAT (OVEN)	1	EA	1	3	6	1	1
11 - 14 - 17	30Z1459	MICROSWITCH V15T22-CZ300A59	3	EA	3	9	18	3	3
60	314402	25MM FLEXIBL CONDUIT	0.32	MT	0.32	0.96	1.92		
6	31Z0149	6 WAY MAINS TERMINAL BLOCK	1	EA	1	3	6		
	31Z0166	3 WAY TERMINAL BLOCK	1	EA	1	3	6		
	31Z0186	DOOR SEAL SEALANT - 1 TUBE	1	TUBE	1	3	6	1	1
	31Z0527	STIRRER COVER SEALANT - 1 TUBE	1	TUBE	1	3	6	1	1
33	31Z0585	AC VOLTAGE CONNECTOR 6 WAY	1	EA	1	3	6		
	31Z1150	RUBBER STOP -TYPE 18	4	EA	4	12	24		
	31Z1187	PUSH FIT FEET	3	EA	3	9	18		
46	31Z1255	PG21 CABLE GLAND BLACK	1	EA	1	3	6		
47	31Z1256	PG21 CABLE GLAND NUT	2	EA	2	6	12		
62	31Z1261	CAPACITOR CLIP UNIVERSAL	2	EA	2	6	12		
61	31Z1275	CONDUIT 20MM FLEXIBL	0.16	MT	0.16	0.48	0.96		
	31Z2055	LABEL - HOT WARNING	1	EA	1	3	6		
74	31Z5044	RFI GASKET 25.4MM X 11.51MM	2	EA	2	6	12		
	40C0681	BOTTOM TRIM	1	EA	1	3	6		
	40C0682	HEAT INSULATOR	1	EA	1	3	6		
	40C0685	DOOR HANDLE - CTM2/3	1	EA	1	3	6		
52	40C0752	ROLLER MEALSTREAM	2	EA	2	6	12		2
	40C0850	DOOR ARM - CTM3	2	EA	2	6	12		
81	40C0868	AIR FILTER PANEL - CTM3	2	EA	2	6	12	2	2
	40C0942	CAVITY INSULATION SET	1	EA	1	3	6		
58	40C1007	STIRRER BLADE HIGH DISTRIB	1	EA	1	3	6		
	40C1113	ROOF CORNER CAP	4	EA	4	12	24		
9	40C1141	DOOR SPRING (LARGE) MSTREAM 501 (POST AUG 2004)	2	EA	2	6	12		
	40C1181	MEALSTREAM 501 LID	1	EA	1	3	6		
	40C1182	MEALSTREAM 501 SIDE PANEL - LHS	1	EA	1	3	6		
	40C1183	MEALSTREAM 501 SIDE PANEL - RHS	1	EA	1	3	6		
	40C1217	WAVE TRAP - HOT AIR MOTOR	1	EA	1	3	6		1
	40C1243	EC503 BAFFLE PLATE - REMOVABLE	1	EA	1	3	6		1
	40C1280	BACK PANEL	1	EA	1	3	6		
9	520000	SPRING - R/ANGLE DOUBLE LOOP (PRE AUG 2004)	2	EA	2	6	12		
72	790007	CHOKE PLATE EC501	1	EA	1	3	6		
	790008	OUTER PANEL - CTM2/3 DOOR	1	EA	1	3	6		
	790010	PIN - DOOR ARM PIVOT - CTM2	2	EA	2	6	12		
	790019	CTM3 MEALSTREAM CAVITY	1	EA	1	3	6		
55	790024	BRACKET - LH HINGE - CTM2/3	1	EA	1	3	6		
56	790025	BRACKET - RH HINGE - CTM2/3	1	EA	1	3	6		
51	790027	ROLLER SHAFT	2	EA	2	6	12		2
	790048	WAVEGUIDE	2	EA	2	6	12		2
	790049	WAVEGUIDE GASKET	2	EA	2	6	12		2
	790050	WAVEGUIDE SEALING PLATE	2	EA	2	6	12		2
	790056	TWIN FAN DUCT	1	EA	1	3	6		
21	790061	STEAM VENT GUARD	1	EA	1	3	6		
	790072	REAR SHIELD	1	EA	1	3	6		
	81W7953	CLIP HOSE SIZE 1A	1	EA	1	3	6		
	P10C0257	STUD REPAIR KIT FOR 501 (REPAIRS ONE STUD ONLY)		EA	0	0	0		
58	P11C0162	STIRRER MOTOR S/ASSY WIDE DIST	1	EA	1	3	6		1
16	P11C0166	HINGE ASSEMBLY - RH - CTM2/3	1	EA	1	3	6		
12	P11C0167	HINGE ASSEMBLY - LH - CTM2/3	1	EA	1	3	6		
10	P11C0279	DOOR ARM STOP ASSEMBLY (PRE 2006)	2	EA	2	6	12		
71	P11C0292	CTM3 DOOR SEAL SET	1	EA	1	3	6	1	1
13	P11C0300	DOOR ARM ASSY	2	EA	2	6	12		
	P11C0301	TEMPERATURE SENSOR POCKET ASSY	1	EA	1	3	6		1
	P11C0323	RESISTOR DROP ASSY 240V	1	EA	1	3	6		
10	P11C0480	DOOR ARM STOP (HEXAGON PILLAR) (POST 2006)	2	EA	2	6	12		
20	P11C0498	STEAM VENT PIPE (WRAPPED)	1	EA	1	3	6		

***All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.**

Merrychef EC/RD 501-503 Ovens

Recommended Parts List **Recommended Minimum Stock Holding & Service Kits**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit
23	P30Z1349	MAGNETRON 2M248H-B	2	EA	2	6	12	2	2
67a	P790052	RED SILICON SEAL LH/RH	0.72	MT	0.72	2.16	4.32		2
	P790053	RED SILICON SEAL FRONT/REAR	1.2	MT	1.2	3.6	7.2		2

RD501 CD2 230Volts 50Hz - UK/EU - Unique Parts

	11C0216	WIRING LOOM - MERRYCHEF	1	EA	1	3	6		
	2741023	MOTOR SHAFT - INSULATED	1	EA	1	3	6		
39	30Z0991	TIMER - MEATSTREAM CD	1	EA	1	3	6		
4A	30Z1177	20 AMP LITTELFUSE FLM020	2	EA	2	6	12	2	4
4	30Z1178	30A FUSE HOLDER	2	EA	2	6	12	2	4
26	30Z1331	1.00uF 2500V CAPACITOR	2	EA	2	6	12	2	2
45	313020	CONTROL KNOB 36mm BLACK	3	EA	3	9	18		
45	313030	D SHAFT ADAPTOR CONTROL	3	EA	3	9	18		
45	313160	CONTROL KNOB SKIRT RED	3	EA	3	9	18		
45	313220	CONTROL KNOB CAP 36mm RED	3	EA	3	9	18		
60	314402	25MM FLEXIBL CONDUIT	0.32	MT	0.32	0.96	1.92		
	314452	LOCKING RING 20MM GREY	2	EA	2	6	12		
38	316030	NEON RED 240V	2	EA	2	6	12		
41	316031	NEON AMBER 240V	1	EA	1	3	6		
44	31Z0349	PUSHBUTTON DPST MOMENTARY	1	EA	1	3	6		
77	40C0864	SHELF SUPPORT CTM3 EUROPE	2	EA	2	6	12		
40	40C0892	5K LIN POT PANEL MOUNT	2	EA	2	6	12		
69	790047	ELEMENT COVER PLATE	1	EA	1	3	6		
68	790063	HEATER ELEMENT 2.5KW CTM3 240V	1	EA	1	3	6	1	1
57	P11C0161	HOT AIR MTR ASY 50HZ	1	EA	1	3	6		1
67	P11C0163	STIRRER GLASS S/ASSY	1	EA	1	3	6	1	1
	P11C0170	DOOR ASSEMBLY - CTM2/3	1	EA	1	3	6		
25	P11C0266	HT DIODE PCB ASSY (EARTH+HT)	2	EA	2	6	12	2	2
35	P11C0295	CD2 CTL MEALSTREAM **RELAY** PCB ASSY	1	EA	1	3	6		1
48	P11C0302	MAINS LEAD ASSY 32A	1	EA	1	3	6		1
43	P11C0309	CD2 SUBSTRATE ASSY BLUE	1	EA	1	3	6		1
45	P11C0406	CD2 KNOB ASSEMBLY	3	EA	3	9	18		
27	P30Z1233	50HZ TRANS MULTI 220 240	2	EA	2	6	12	2	2
28	P310110	DOUBLE BLOWER MOTOR ASSY	1	EA	1	1	2		1

EC501 CTM3 230Volts 50Hz - UK/EU - Unique Parts

	11C0216	WIRING LOOM - MERRYCHEF	1	EA	1	3	6		
	2741023	MOTOR SHAFT - INSULATED	1	EA	1	3	6		
4A	30Z1177	20 AMP LITTELFUSE FLM020	2	EA	2	6	12	2	4
4	30Z1178	30A FUSE HOLDER	2	EA	2	6	12	2	4
26	30Z1331	1.00uF 2500V CAPACITOR	2	EA	2	6	12	2	2
77	40C0864	SHELF SUPPORT CTM3 EUROPE	2	EA	2	6	12		
69	790047	ELEMENT COVER PLATE	1	EA	1	3	6		
68	790063	HEATER ELEMENT 2.5KW CTM3 240V	1	EA	1	3	6	1	2
57	P11C0161	HOT AIR MTR ASY 50HZ	1	EA	1	3	6		1
67	P11C0163	STIRRER GLASS S/ASSY	1	EA	1	3	6	1	1
	P11C0170	DOOR ASSEMBLY - CTM2/3	1	EA	1	3	6		
25	P11C0266	HT DIODE PCB ASSY (EARTH+HT)	2	EA	2	6	12	2	2
31	P11C0291	MEALSTREAM 501 **LOGIC** PCB ASSY	1	EA	1	3	6		1
48	P11C0302	MAINS LEAD ASSY 32A	1	EA	1	3	6		1
30	P11C0310	MEMBRANE ASSY BLUE	1	EA	1	3	6		1
32	P11C0403	**RELAY** PCB ASSEMBLY - 240V	1	EA	1	3	6		1
27	P30Z1233	50HZ TRANS MULTI 220 240	2	EA	2	6	12	2	2
28	P310110	DOUBLE BLOWER MOTOR ASSY	1	EA	1	1	2		1

***All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.**

Merrychef EC/RD 501-503 Ovens

Recommended Parts List | **Recommended Minimum Stock Holding & Service Kits**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit
		EC501 CTM5 230Volts 50Hz - UK/EU - Unique Parts							
	11C0216	WIRING LOOM - MERRYCHEF	1	EA	1	3	6		
4A	30Z1177	20 AMP LITTELFUSE FLM020	2	EA	2	6	12	2	4
4	30Z1178	30A FUSE HOLDER	2	EA	2	6	12	2	4
26	30Z1331	1.00uF 2500V CAPACITOR	2	EA	2	6	12	2	2
77	40C0864	SHELF SUPPORT CTM3 EUROPE	2	EA	2	6	12		
68	40C0948	HEATER ELEMENT 3.0 KW 240V	1	EA	1	3	6	1	1
69	790047	ELEMENT COVER PLATE	1	EA	1	3	6		
73	P10C0148	MENUKEY ASSY	1	EA	1	3	6		
57	P10C0192	HOT AIR MOTOR ASSY CERAMIC	1	EA	1	3	6		1
78	P10C0236	EC501/3 IMPELLOR + SET SCREW	1	EA	1	3	6		1
67	P11C0163	STIRRER GLASS S/ASSY	1	EA	1	3	6	1	1
	P11C0170	DOOR ASSEMBLY - CTM2/3	1	EA	1	3	6		
25	P11C0266	HT DIODE PCB ASSY (EARTH+HT)	2	EA	2	6	12	2	2
48	P11C0302	MAINS LEAD ASSY 32A	1	EA	1	3	6		1
30	P11C0310	MEMBRANE ASSY BLUE	1	EA	1	3	6		1
31	P11C0377	MEALSTREAM 501 **LOGIC** PCB ASSY MENUKEY	1	EA	1	3	6		1
32	P11C0403	**RELAY** PCB ASSEMBLY - 240V	1	EA	1	3	6		1
30	P11C0438	MEMBRANE ASSY BLUE MK	1	EA	1	3	6		1
27	P30Z1233	50HZ TRANS MULTI 220 240	2	EA	2	6	12	2	2
28	P310110	DOUBLE BLOWER MOTOR ASSY	1	EA	1	1	2		1

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit
		EC503 CTM5 230Volts 50Hz - UK/EU - Unique Parts							
	11C0216	WIRING LOOM - MERRYCHEF	1	EA	1	3	6		
4A	30Z1177	20 AMP LITTELFUSE FLM020	2	EA	2	6	12	2	4
4	30Z1178	30A FUSE HOLDER	2	EA	2	6	12	2	4
26	30Z1331	1.00uF 2500V CAPACITOR	2	EA	2	6	12	2	2
	31Z4037	M5 KNURLED COIN SLOT THUMB NUT	3	EA	3	9	18		3
77	40C0864	SHELF SUPPORT CTM3 EUROPE	2	EA	2	6	12		
68	40C0948	HEATER ELEMENT 3.0 KW 240V	1	EA	1	3	6	1	1
83	40C1242	EC503 CAT COVER REMOVABLE	1	EA	1	3	6		
80	40C1243	EC503 BAFFLE PLATE REMOVABLE	1	EA	1	3	6		1
73	P10C0148	MENUKEY ASSY	1	EA	1	3	6		
57	P10C0192	HOT AIR MOTOR ASSY CERAMIC	1	EA	1	3	6		1
78	P10C0236	EC501/3 IMPELLOR + SET SCREW	1	EA	1	3	6		1
67	P11C0163	STIRRER GLASS S/ASSY	1	EA	1	3	6	1	1
	P11C0170	DOOR ASSEMBLY - CTM2/3	1	EA	1	3	6		
25	P11C0266	HT DIODE PCB ASSY (EARTH+HT)	2	EA	2	6	12	2	2
48	P11C0302	MAINS LEAD ASSY 32A	1	EA	1	3	6		1
30	P11C0310	MEMBRANE ASSY BLUE	1	EA	1	3	6		1
31	P11C0377	MEALSTREAM 501 **LOGIC** PCB ASSY MENUKEY	1	EA	1	3	6		1
32	P11C0403	**RELAY** PCB ASSEMBLY - 240V	1	EA	1	3	6		1
30	P11C0438	MEMBRANE ASSY BLUE MK	1	EA	1	3	6		1
	P11C0493	EC503 REMOVABLE CATALYST ASSY	1	EA	1	3	6		1
27	P30Z1233	50HZ TRANS MULTI 220 240	2	EA	2	6	12	2	
28	P310110	DOUBLE BLOWER MOTOR ASSY	1	EA	1	1	2		1

***All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.**

Merrychef EC/RD 501-503 Ovens

Recommended Parts List | **Recommended Minimum Stock Holding & Service Kits**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit
	EC501 230Volts 60Hz - USA - Unique Parts								
48	11C0320	MAINS LEAD ASSY 3 CORE US	1	EA	1	3	6		1
	11C0488	WIRING LOOM - MERRYCHEF USA	1	EA	1	3	6		
28	30Z1145	DOUBLE BLOWER MOTOR 208V 60HZ	1	EA	1	3	6		1
	30Z1164	39R 50W 5% WW (GOLD RESISTOR)	1	EA	1	3	6		
	30Z1165	50R 50W 5% WW (GOLD RESISTOR)	2	EA	2	6	12		
4A	30Z1177	20 AMP LITTELFUSE FLM020	4	EA	4	12	24	4	4
4	30Z1178	30A FUSE HOLDER	4	EA	4	12	24	4	4
26	30Z1330	0.88uF 2500V CAPACITOR	2	EA	2	6	12	2	2
	31Z4037	M5 KNURLED COIN SLOT THUMB NUT	3	EA	3	9	18		3
	32Z1052	ADJUSTABLE FOOT FOR US	4	EA	4	12	24		
68	40C0949	HEATER ELEMENT 3.0 KW 208V	1	EA	1	3	6	1	1
77	40C0950	SHELF SUPPORT CTM3 US	2	EA	2	6	12		
	40C1011	VITREOUS RACK US MEALSTREAM	1	EA	1	3	6		
73	P10C0148	MENUKEY ASSY	1	EA	1	3	6		
57	P10C0192	HOT AIR MOTOR ASSY CERAMIC	1	EA	1	3	6		1
78	P10C0236	EC501/3 IMPELLOR + SET SCREW	1	EA	1	3	6		1
	P11C0170	DOOR ASSEMBLY - CTM2/3	1	EA	1	3	6		
67	P11C0319	STIRRER GLASS S/ASSY US	1	EA	1	3	6	1	1
31	P11C0377	MEALSTREAM 501 **LOGIC** PCB ASSY MENUKEY	1	EA	1	3	6		1
30	P11C0379	MEAL 501 MEMBRANE PANEL ASSY MK	1	EA	1	3	6		1
32	P11C0402	**RELAY** PCB ASSEMBLY - 208V	1	EA	1	3	6		1
25	P11C0489	HT DIODE + LED PCB ASSY	2	EA	2	6	12	2	2
	P11C0493	EC503 REMOVABLE CATALYST ASSY	1	EA	1	3	6		1
27	P30Z1230	60HZ TRANS MULTI 220 240	2	EA	2	6	12	2	2

	EC501 230Volts 60Hz - USA - Tim Horton's - Unique Parts								
	104054	M6 x 20 MUDGUARD WASHER	2	EA	2	6	12		
48	11C0320	MAINS LEAD ASSY 3 CORE US	1	EA	1	3	6		
	11C0488	WIRING LOOM - MERRYCHEF USA	1	EA	1	3	6		
28	30Z1145	DOUBLE BLOWER MOTOR 208V 60HZ	1	EA	1	3	6		
	30Z1164	39R 50W 5% WW (GOLD RESISTOR)	1	EA	1	3	6		
	30Z1165	50R 50W 5% WW (GOLD RESISTOR)	2	EA	2	6	12		
4A	30Z1177	20 AMP LITTELFUSE FLM020	4	EA	4	12	24	4	4
4	30Z1178	30A FUSE HOLDER	4	EA	4	12	24	4	4
26	30Z1330	0.88uF 2500V CAPACITOR	2	EA	2	6	12	2	2
	31Z3170	M6 x 16 HEX HD SS	2	EA	2	6	12		
	31Z4037	M5 KNURLED COIN SLOT THUMB NUT	3	EA	3	9	18		3
	32Z1052	ADJUSTABLE FOOT FOR US	4	EA	4	12	24		
68a	40C0949	HEATER ELEMENT 3.0 KW 208V	1	EA	1	3	6	1	1
77	40C0950	SHELF SUPPORT CTM3 US	2	EA	2	6	12		
	40C1011	VITREOUS RACK US MEALSTREAM	1	EA	1	3	6		
	40C1085	TIM HORTONS PRESSED NAME	1	EA	1	3	6		
	40C1086	TIM HORTONS OUTER DOOR COVER	1	EA	1	3	6		
	40C1087	TIM HORTONS NAMEPLATE BACK	1	EA	1	3	6		
	40C1305	DOOR HANDLE 500 SERIES	1	EA	1	3	6		
73	P10C0148	MENUKEY ASSY	1	EA	1	3	6		
57	P10C0192	HOT AIR MOTOR ASSY CERAMIC	1	EA	1	3	6		1
78	P10C0236	EC501/3 IMPELLOR + SET SCREW	1	EA	1	3	6		
67	P11C0319	STIRRER GLASS S/ASSY US	1	EA	1	3	6	1	1
	P11C0332	CONTROL PANEL ASSY US - TIM HORTON	1	EA	1	3	6		
31	P11C0377	MEALSTREAM 501 **LOGIC** PCB ASSY MENUKEY	1	EA	1	3	6		
32	P11C0402	**RELAY** PCB ASSEMBLY - 208V	1	EA	1	3	6		
30	P11C0412	TH MEMBRANE ASSY-ENGLISH	1	EA	1	3	6		
30	P11C0413	TH MEMBRANE ASSY-FRENCH	1	EA	1	3	6		
25	P11C0489	HT DIODE + LED PCB ASSY	2	EA	2	6	12	2	2
	P11C0493	EC503 REMOVABLE CATALYST ASSY	1	EA	1	3	6		1
27	P30Z1230	60HZ TRANS MULTI 220 240	2	EA	2	6	12	2	2

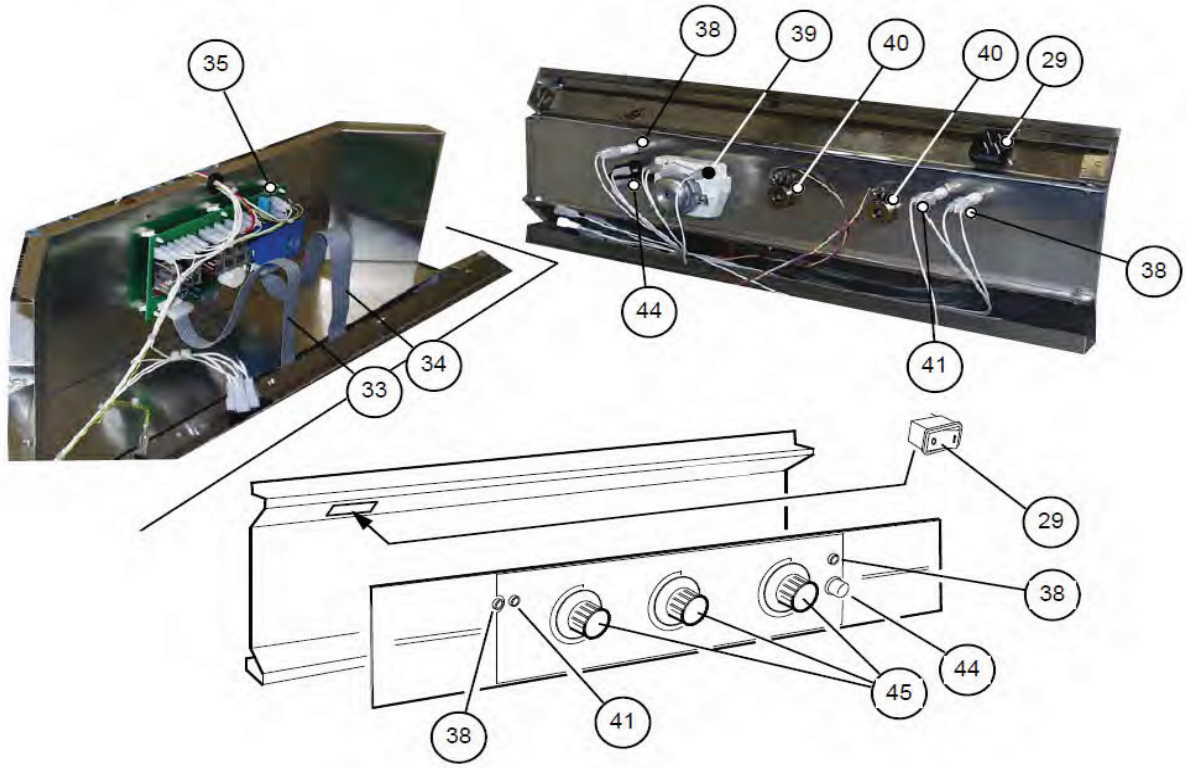
***All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.**

Merrychef EC/RD 501-503 Ovens

Recommended Parts List | **Recommended Minimum Stock Holding & Service Kits**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	1st Aid/To Go Box	Service Center Kit

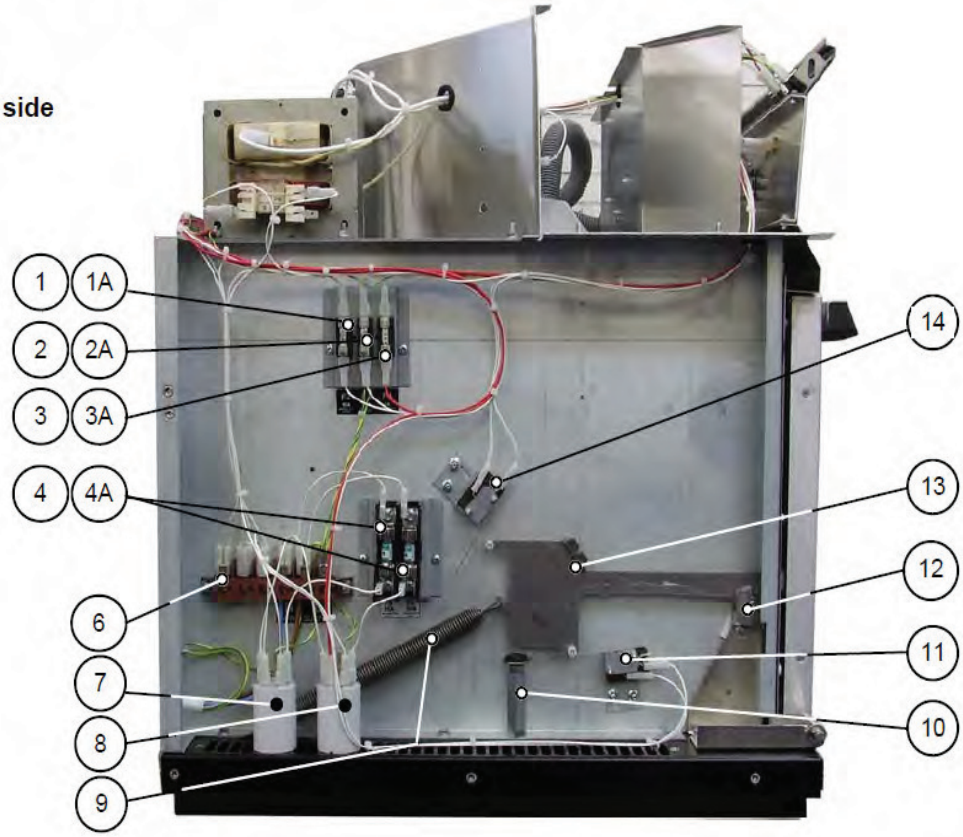
Manual control panel assembly: RD501



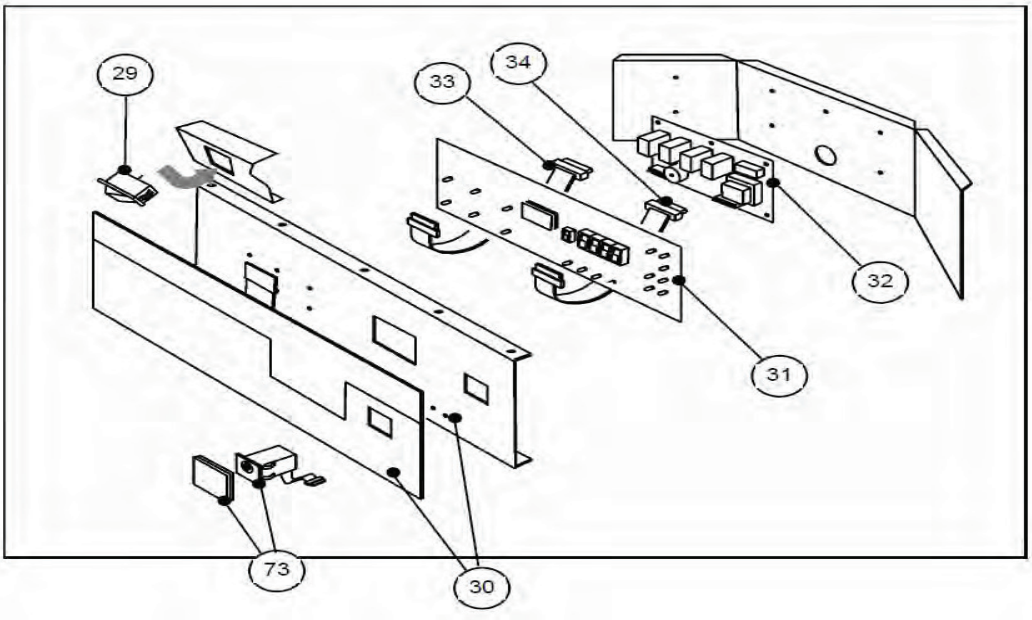
*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.

Principle components:

Left side



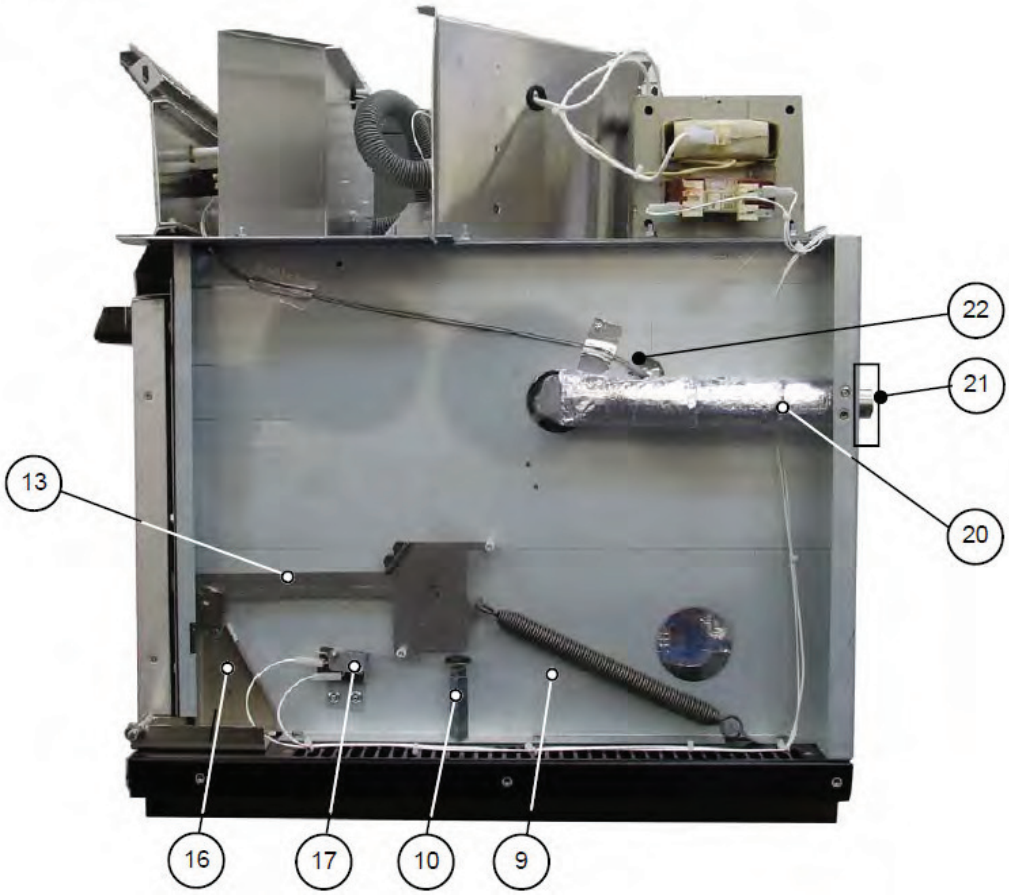
Electronic control panel assembly: EC501, EC502 & EC503



*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.

Principle components:

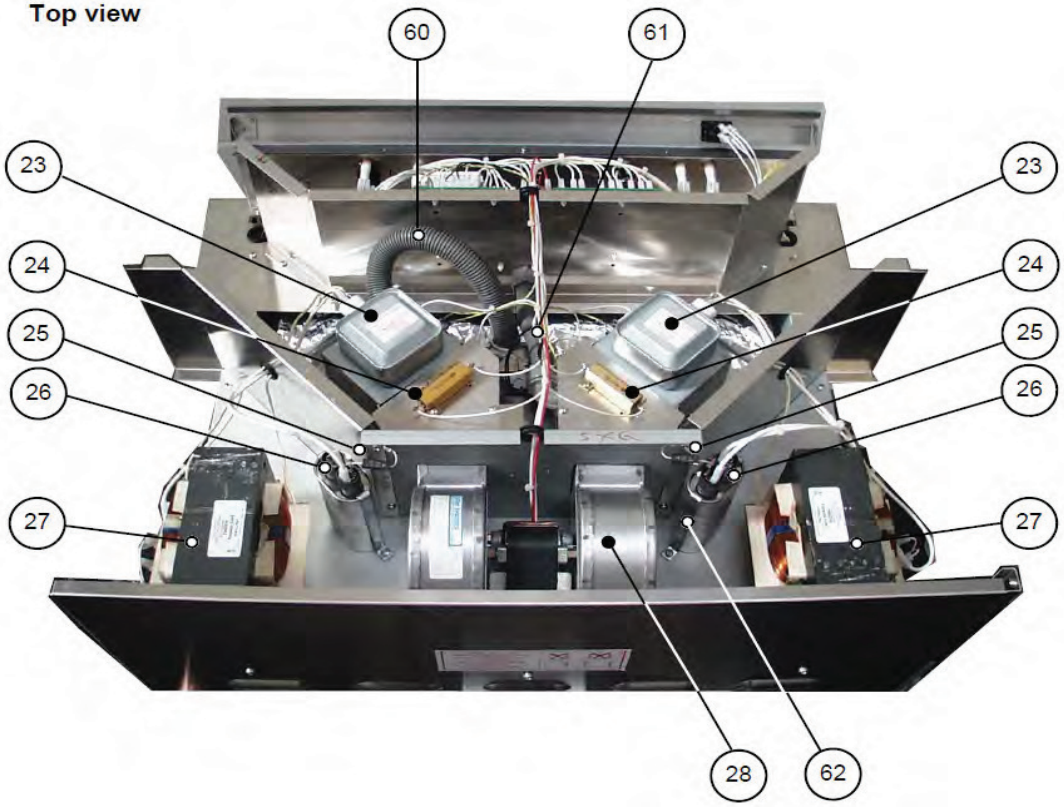
Right side



*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.

Principle components:

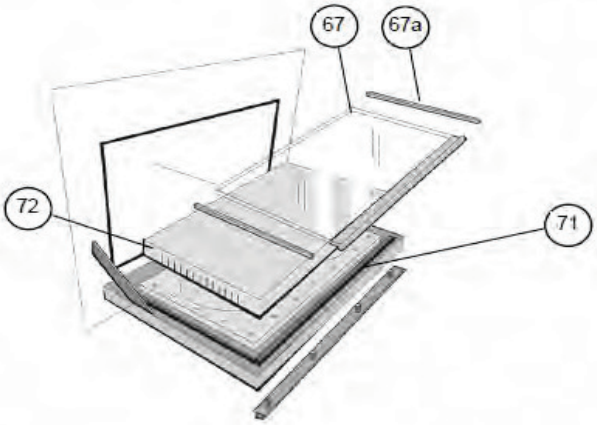
Top view



*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.

Principle components:

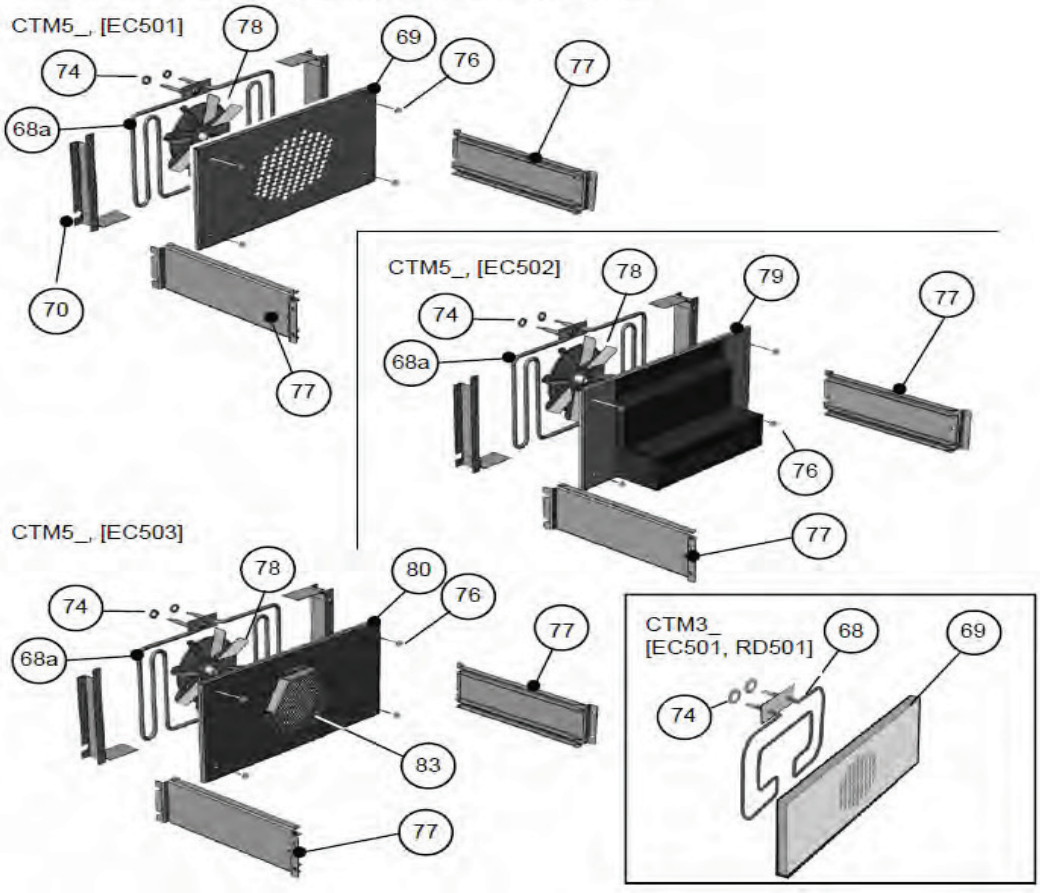
Door & cavity roof



Air Filters

Principle components:

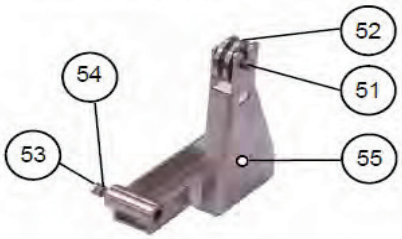
Heater Element, Catalytic Converter & Cavity parts:



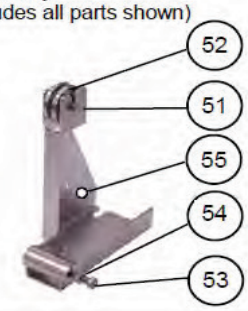
*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.

Principle components: (not shown in main views)

12 Left Hand Door Hinge Assembly
(Includes all parts shown)



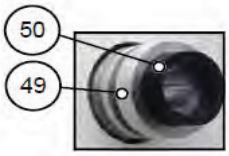
16 Right Hand Door Hinge Assembly
(Includes all parts shown)



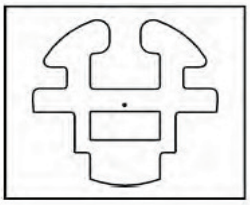
57 Hot air motor: Low Speed

57 Hot air motor: High Speed

Motor shaft screen and seal assembly



58 Stirrer motor assembly



*All Prices Quoted Are At Merrychef Recommended UK List Price And Are Subject To Change.